

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449/PTO

Complete if Known**INFORMATION DISCLOSURE STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

Sheet 1 of 10

Application Number	10/729,864
Filing Date	December 5, 2003
First Named Inventor	Wakefield, Todd D.
Art Unit	2163
Examiner Name	Angela M Lie
Attorney Docket Number	03760.020/5137P

U. S. PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code ² (<i>if known</i>)			
AL		US- 4,914,590	04-03-1990	Loatman et al.	
		US- 5,694,523	12-02-1997	Wical	
		US- 5,933,818	08-03-1999	Kasravi et al.	
		US- 20030167266-A1	09-04-2003	Saldanha et al.	
		US- 6,304,870	10-16-2001	Kushmerick et al.	
		US- 6,102,969	08-15-2000	Christianson et al.	
		US- 5,890,103	03-30-1999	Carus	
		US- 5,768,580	06-16-1998	Wical	
		US- 5,887,120	03-23-1999	Wical	
		US- 5,918,236	06-29-1999	Wical	
		US- 5,930,788	07-27-1999	Wical	
		US- 5,940,821	08-17-1999	Wical	
		US- 5,953,718	09-14-1999	Wical	
		US- 5,963,940	10-05-1999	Liddy et al.	
		US- 6,038,560	03-14-2000	Wical	
		US- 6,061,675	05-09-2000	Wical	
		US- 6,076,088	06-13-2000	Paik et al.	
V		US- 6,199,034	03-06-2001	Wical	
		US- 6,263,335	07-17-2001	Paik et al.	

FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear	T ⁶
		Country Code ³ Number ⁴ Kind Code ⁵ (<i>if known</i>)				
AL		WO-98/24016 /	06-04-1998	Devoino et al.		
		WO-99/18527 /	04-15-1999	Batchilo et al.		
V		WO-00/14651 /	03-16-2000	Tsourikov et al.		
		WO-00/46703 /	08-10-2000	Devoino et al.		

Examiner Signature	/Angela Lie/	Date Considered	06/07/2006
--------------------	--------------	-----------------	------------

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. ¹Applicant's unique citation designation number (optional). ²See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 801.04. ³Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁶Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449/PTO				Complete If Known	
				Application Number	10/729,864
				Filing Date	December 5, 2003
				First Named Inventor	Wakefield, Todd D.
				Art Unit	2163
				Examiner Name	Angela M Lie
Sheet	2	of	10	Attorney Docket Number	03760.020/5137P

U. S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code ² (if known)			
AL		US- 6,460,034	10-01-2002	Wical	
		US- 6,487,545	11-26-2002	Wical	
		US- 6,507,829	01-14-2003	Richards et al.	
		US- 6,513,006	01-28-2003	Howard et al.	
		US- 6,523,026	02-18-2003	Gillis	
		US- 6,553,385	04-22-2003	Johnson et al.	
		US- 6,567,805	05-20-2003	Johnson et al.	
		US- 6,571,235	05-27-2003	Marpe et al.	
		US- 6,584,470	06-24-2003	Veale	
		US- 6,594,658	07-15-2003	Woods	
		US- 6,601,026	07-29-2003	Appelt et al.	
		US- 6,604,094	08-05-2003	Harris	
		US- 6,615,209	09-02-2003	Gomes et al.	
		US- 6,618,725	09-09-2003	Fukuda et al.	
		US- 20030163302	08-28-2003	Yin	
		US-			
		US-			
V		US-			
		US-			

FOREIGN PATENT DOCUMENTS					
Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear
		Country Code ³ "Number ⁴ "Kind Code ⁵ (if known)			

Examiner Signature	/Angela Lie/	Date Considered	06/07/2006
--------------------	--------------	-----------------	------------

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. ¹Applicant's unique citation designation number (optional). ²See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁶Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-788-9199) and select option 2.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449/PTO

Complete if Known**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

Sheet

3

of

6

Application Number	10/729,864
Filing Date	December 5, 2003
First Named Inventor	Wakefield, Todd D.
Art Unit	2163
Examiner Name	Angela M Lie

Attorney Docket Number

03760.020/5137P

U. S. PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code ² (if known)			
AL	US- 4,965,763		10-23-1990	Zamora	
	US- 4,992,972		02-12-1991	Brooks et al.	
	US- 5,146,405		09-08-1992	Church	
	US- 5,614,899		03-25-1997	Tokuda et al.	
	US- 5,696,916		12-09-1997	Yamazaki et al.	
	US- 5,799,268		08-25-1998	Boguraev	
	US- 5,802,504		09-01-1998	Suda et al.	
	US- 5,844,798		12-01-1998	Uramoto	
	US- 5,878,385		03-02-1999	Bralich et al.	
	US- 5,901,068		05-04-1999	Batchilo et al.	
	US- 6,056,428		05-02-2000	Devoino et al.	
↓	US- 6,167,370		12-26-2000	Tsourikov et al.	
	US- 6,202,043		03-13-2001	Devoino et al.	
	US-				

FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear	T ⁶
		Country Code ³ Number ⁴ Kind Code ⁵ (if known)				

Examiner Signature

/Angela Lie/

Date Considered

06/07/2006

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. ¹ Applicant's unique citation designation number (optional). ² See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 801.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449/PTO				<i>Complete If Known</i>	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(Use as many sheets as necessary)</i>				Application Number	10/729,864
Sheet	4	of	10	Filing Date	December 5, 2003
				First Named Inventor	Wakefield, Todd D.
				Art Unit	2163
				Examiner Name	Angela M Lie
				Attorney Docket Number	03760.020/5137P

U. S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. ¹	Document Number	Publication Date	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code ² (if known)	MM-DD-YYYY		
AL	US- 4,864,502	09-05-1989	Kucera et al.		
	US- 4,868,750	09-19-1989	Kucera et al.		
	US- 4,887,212	12-12-1989	Zamora et al.		
	US- 4,905,138	02-27-1990	Bourne		
	US- 4,994,966	02-19-1991	Hutchins		
	US- 5,068,789	11-26-1991	van Vliembergen		
	US- 5,083,268	01-21-1992	Hemphill et al.		
	US- 5,164,899	11-17-1992	Sobotka et al.		
	US- 5,225,981	07-06-1993	Yokogawa		
	US- 5,243,520	09-07-1993	Jacobs et al.		
	US- 5,268,840	12-07-1993	Chang et al.		
	US- 5,297,040	03-22-1994	Hu		
	US- 5,323,316	06-21-1994	Kadashevich et al.		
	US- 5,369,577	11-29-1994	Kadashevich et al.		
	US- 5,424,947	06-13-1995	Nagao et al.		
	US- 5,438,512	08-01-1995	Mantha et al.		
	US- 5,559,693	09-24-1996	Anick et al.		
▼	US- 5,682,539	10-28-1997	Conrad et al.		
	US- 5,687,384	11-11-1997	Nagase		

FOREIGN PATENT DOCUMENTS					
Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear
		Country Code ³ -Number ⁴ -Kind Code ⁵ (if known)	MM-DD-YYYY		T ⁶

Examiner Signature	/Angela Lie/	Date Considered	06/07/2006
--------------------	--------------	-----------------	------------

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. ¹Applicant's unique citation designation number (optional). ²See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁶Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.88. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449/PTO		Complete If Known	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(Use as many sheets as necessary)</i>		Application Number	10/729,864
Sheet	5	of	10
		Attorney Docket Number	03760.020/5137P

U. S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code ² (if known)			
AL		US- 5,721,938	02-24-1998	Stuckey	
		US- 5,752,052	05-12-1998	Richardson et al.	
		US- 5,781,879	07-14-1998	Arnold et al.	
		US- 5,878,386	03-02-1999	Coughlin	
		US- 5,926,784	07-20-1999	Richardson et al.	
		US- 5,930,746	07-27-1999	Ting	
		US- 5,960,384	09-28-1999	Brash	
		US- 5,963,894	10-05-1999	Richardson et al.	
		US- 5,991,539	11-23-1999	Williams	
		US- 6,052,693	04-18-2000	Smith et al.	
		US- 6,138,087	10-24-2000	Budzinski	
		US- 6,182,029	01-30-2001	Friedman	
		US- 6,223,150	04-24-2001	Duan et al.	
		US- 6,243,669	06-05-2001	Horiguchi et al.	
		US- 6,446,081	09-03-2002	Preston	
		US- 6,505,157	01-07-2003	Elworthy	
		US- 6,535,886	03-18-2003	Koontz	
V		US- 6,553,385	04-22-2003	Johnson et al.	
		US- 6,556,964	04-29-2003	Haug et al.	

FOREIGN PATENT DOCUMENTS					
Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear
		Country Code ³ -Number ⁴ -Kind Code ⁵ (if known)			

Examiner Signature	/Angela Lie/	Date Considered	06/07/2006
--------------------	--------------	-----------------	------------

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. ¹Applicant's unique citation designation number (optional). ²See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁶Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449/PTO				Complete if Known	
				Application Number	10/729,864
				Filing Date	December 5, 2003
				First Named Inventor	Wakefield, Todd D.
				Art Unit	2163
				Examiner Name	Angela M Lie
				Attorney Docket Number	03760.020/5137P
Sheet	6	of	10		

U. S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code ² (if known)			
AL	US-	6,609,087	08-19-2003	Miller et al.	
	US-				
	US-	5,060,155	10-22-1991	van Zuijlen	
	US-	5,095,432	03-10-1992	Reed	
	US-	5,146,406	09-08-1992	Jensen	
	US-	5,311,429	05-10-1994	Tominaga	
	US-	5,418,717	05-23-1995	Su et al.	
	US-	5,438,511	08-01-1995	Maxwell, III et al.	
	US-	5,475,587	12-12-1995	Anick et al.	
	US-	5,490,061	02-06-1996	Tolin et al.	
	US-	5,594,837	01-14-1997	Noyes	
	US-	5,727,222	03-10-1998	Maxwell, III et al.	
	US-	5,761,631	06-02-1998	Nasukawa	
	US-	5,794,050	08-11-1998	Dahlgren et al.	
	US-	5,819,210	10-06-1998	Maxwell, III et al.	
	US-	5,841,900	11-24-1998	Rahgozar et al.	
	US-	5,878,406	03-02-1999	Noyes	
V	US-	5,903,860	03-11-1999	Maxwell, III et al.	
V	US-	5,963,742	10-05-1999	Williams	

FOREIGN PATENT DOCUMENTS					
Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear
		Country Code ³ "Number ⁴ "Kind Code ⁵ (if known)			

Examiner Signature	/Angela Lie/	Date Considered	06/07/2006
--------------------	--------------	-----------------	------------

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. ¹Applicant's unique citation designation number (optional). ²See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁶Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449/PTO				Complete if Known	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(Use as many sheets as necessary)</i>				Application Number	10/729,864
Sheet	7	of	10	Filing Date	December 5, 2003
				First Named Inventor	Wakefield, Todd D.
				Art Unit	2163
				Examiner Name	Angela M Lie
				Attorney Docket Number	03760.020/5137P

U. S. PATENT DOCUMENTS					
Examiner Initials*	Cite No.*	Document Number	Publication Date	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code ¹ (if known)	MM-DD-YYYY		
AL	US- 5,966,686	10-12-1999	Heidorn et al.		
	US- 5,983,169	11-09-1999	Kozma		
	US- 5,995,922	11-30-1999	Penteroudakis et al.		
	US- 5,999,896	12-07-1999	Richardson et al.		
	US- 6,023,760	02-08-2000	Karttunen		
	US- 6,055,494	04-25-2000	Friedman		
	US- 6,061,675	05-09-2000	Wical		
	US- 6,064,953	05-16-2000	Maxwell, III et al.		
	US- 6,108,620	08-22-2000	Richardson et al.		
	US- 6,128,596	10-03-2000	Mackie		
	US- 6,163,767	12-19-2000	Tang et al.		
	US- 6,199,034	03-06-2001	Wical		
	US- 6,263,335	07-17-2001	Paik et al.		
	US- 6,272,495	08-07-2001	Hetherington		
	US- 6,289,304	09-11-2001	Grefenstette		
	US- 6,292,771	09-18-2001	Haug et al.		
	US- 6,360,197	03-19-2002	Wu et al.		
V	US- 6,487,545	11-26-2002	Wical		
	US- 6,571,240	03-27-2003	Ho et al.		

FOREIGN PATENT DOCUMENTS					
Examiner Initials*	Cite No.*	Foreign Patent Document	Publication Date	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear
		Country Code ³ -Number ⁴ -Kind Code ⁵ (if known)	MM-DD-YYYY		

Examiner Signature	/Angela Lie/	Date Considered	06/07/2006
--------------------	--------------	-----------------	------------

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. ¹Applicant's unique citation designation number (optional). ²See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁴Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁵Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete. Including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449/PTO

Complete if Known**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

Sheet 8 of 10

Application Number	10/729,864
Filing Date	December 5, 2003
First Named Inventor	Wakefield, Todd D.
Art Unit	2163
Examiner Name	Angela M Lie
Attorney Docket Number	03760.020/5137P

U. S. PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Document Number	Publication Date	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code ² (if known)	MM-DD-YYYY		
AL	US- 6,609,091	08-19-2003	Budzinski		
	US- 6,611,825	08-26-2003	Billheimer et al.		
	US- 20020007358	01-17-2002	Johnson et al.		
	US- 20020010714	01-24-2002	Hetherington		
	US- 20020013793	01-31-2002	Bergan et al.		
	US- 20020032740	03-14-2002	Stern		
	US- 20020042711	04-11-2002	Lin		
	US- 20020046018	04-18-2002	Marcu et al.		
	US- 20020046019	04-18-2002	Verhagen et al.		
	US- 20020102025	08-01-2002	Wu et al.		
	US- 20020111793	08-15-2002	Luo et al.		
	US- 20020123881	09-05-2002	Schmid et al.		
	US- 20020128816	09-12-2002	Haug et al.		
	US- 20020128819	09-12-2002	Jessee et al.		
	US- 20020196679	12-26-2002	Lavi et al.		
	US- 20030004716	01-02-2003	Haigh et al.		
	US- 20030074186	04-17-2003	Wang		
▼	US- 20030074187	04-17-2003	Ait-Mokhtar et al.		
	US- 20030078899	04-24-2003	Shanahan		

FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear	T ⁶
		Country Code ³ Number ⁴ Kind Code ⁵ (if known)	MM-DD-YYYY			

Examiner Signature

/Angela Lie/

Date Considered

06/07/2006

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 608. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. ¹Applicant's unique citation designation number (optional). ²See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 801.04. ³Enter Office that issued the document, by the two-letter code (WIPO Standard ST.1). ⁴For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁶Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-788-9199) and select option 2.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449/PTO		Complete if Known	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(Use as many sheets as necessary)</i>		Application Number	10/729,864
		Filing Date	December 5, 2003
		First Named Inventor	Wakefield, Todd D.
		Art Unit	2163
		Examiner Name	Angela M Lie
		Attorney Docket Number	03760.020/5137P
Sheet	9	of	10

U. S. PATENT DOCUMENTS

FOREIGN PATENT DOCUMENTS

Examiner Signature	/Angela Lie/	Date Considered	06/07/2006
-----------------------	--------------	--------------------	------------

***EXAMINER:** Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. ¹Applicant's unique citation designation number (optional). ²See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁶Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449/PTO

Complete if Known

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

Sheet

10

of

10

Application Number	10/729,864
Filing Date	December 5, 2003
First Named Inventor	Wakefield, Todd D.
Art Unit	2163
Examiner Name	Angela M Lie
Attorney Docket Number	03760.020/5137P

NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
AL		BEAN, "Corpus-Based Identification ...", 27th Annual Meeting of the Association of Computational Linguistics, June 20-26 1999, p. 373-380, University of Maryland, USA	
		RILOFF, "An Empirical Approach to Conceptual Case Frame Acquisition", Proceedings of the Sixth Workshop on Very Large Corpora, 1998	
		RILOFF, "Little Words Can Make a...", Proceedings of the 18th Annual International ACM SIGIR Conference on Research and Development in Information Retrieval, 1995, pp. 130-136	
		RILOFF, "Using Learned Extrac....", Connectionist, Statistical, and Symbolic Approaches to Learning for Natural Language Processing, 1996, Springer-Verlag, Berlin, pp. 275-289	
		RILOFF, "Automatically Constructing a Dictionary for Informa...", Proceedings of the Eleventh National Converence on Artificial Intelligence, 1993, MIT Press, pages 811-816	
		RILOFF, "Automatically Generating Extraction Patters from Untagged Text", Proceedings of the Thirteenth National Conference on Artificial Intelligence, 1996, pp. 1044-1049	
		ZICKUS, "A Software Engineering Approach to Developing an Object-Oriented Lexical Access Database and Semantic Reasoning Module", 1995, University of Delaware	
		GIRARDI, "An Approach to Improve the Effectiveness of Software...", Proceedings of the Third Irvine Software Symposium (ISS'93), April 30, 1993, Irvine, California, pp. 89-100	
▼		"State-of-the-art of Spoken Language Systems - a Survey", Sept. 1992, Speech Technology Centre, Aalborg University, Aalborg, Denmark	

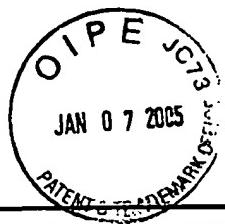
Examiner Signature	/Angela Lie/	Date Considered	06/07/2006
--------------------	--------------	-----------------	------------

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

1 Applicant's unique citation designation number (optional). 2 Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.88. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.



Substitute for form 1449A/PTO

PTO/SB/08a (08-03)

Substitute for form 1449A/PTO		<i>Complete if Known</i>	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT		Application Number	10/729,864
		Filing Date	December 5, 2003
		First Named Inventor	WAKEFIELD, Todd D.
		Art Unit	2177 2163
		Examiner Name	Unassigned Angela M Lie
<i>(use as many sheets as necessary)</i>		Attorney Docket Number	
Sheet	1	of	1

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(use as many sheets as necessary)

Sheet

1

1

Complete if Known

Application Number	10/729,864
Filing Date	December 5, 2003
First Named Inventor	WAKEFIELD, Todd D.
Art Unit	2177 2163
Examiner Name	Unassigned Angela M Lie
Attorney Docket Number	5137 P

U.S. PATENT DOCUMENTS

FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	Type of Document
		Country Code ³ -Number ⁴ -Kind Code ⁵ (if known)				

Examiner Signature	/Angela Lie/	Date Considered	06/05/2006
-----------------------	--------------	--------------------	------------

¹EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. ²Applicant's unique citation designation number (optional). ³See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ⁴Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁵For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁶Kind of document by appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁷Applicant is to place a check mark here if English language translation is attached.